

High impact tank cleaning machine

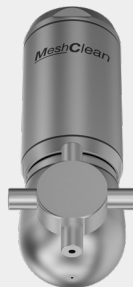
MeshClean

Series 5T2/5T3



Features:

- High efficiency thanks to especially powerful solid jet nozzles
- Also suitable for smaller tanks with persistent soiling
- Active self-cleaning through special nozzle geometry
- Particularly low-maintenance



Function video
www.lechler.com/de-en/medialibrary/videos-general-industry
 Or scan the QR code.

Series 5T2/5T3

Technical data:



Maximum operating temperature
 150 °C
 150 °C (ATEX)



Maximum ambient temperature
 150 °C
 150 °C (ATEX)



Installation
 Operation in every installation position



Bearing
 Ball bearing



Material
 Stainless steel 1.4404 (316L), PTFE, PEEK, EPDM, FKM or FFKM



Weight
 1.0 kg



Surface quality
 $Ra \leq 0.8 \mu m$
 OUTSIDE



Surface quality
 $Ra \leq 1.6 \mu m$
 INSIDE



Steam suitability
 Suitable



Insertion diameter
 68–82 mm



Recommended filter
 Line strainer with a mesh size of 0.2 mm/80 mesh



Recommended operating pressure
 5 bar



Adapter
 3/4 BSPP is compatible with HygienicFit



Rotation monitoring
 Sensor-compatible, information: see pages 108–109

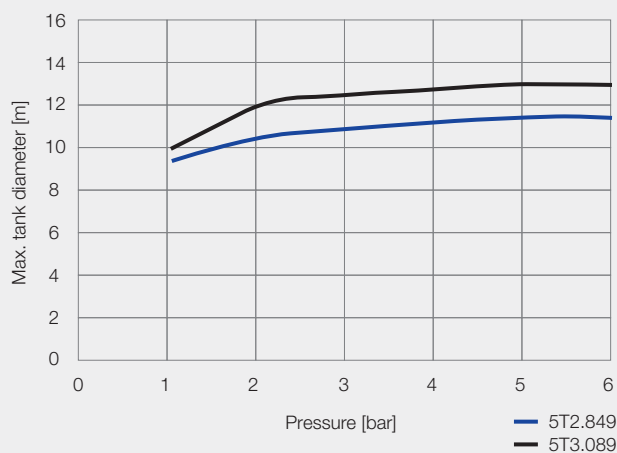


Maintainable



Max. tank diameter

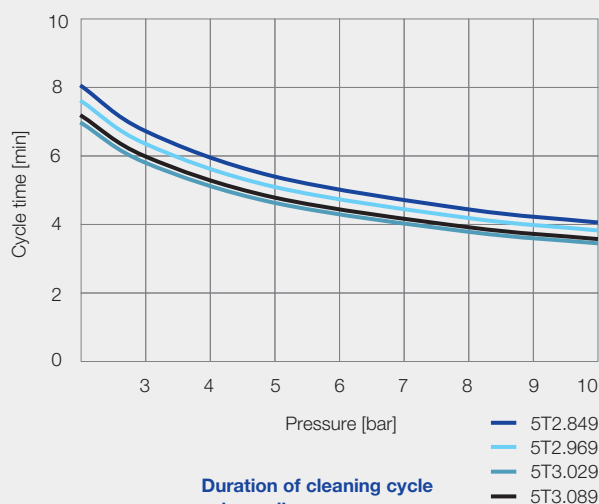
The specified maximum tank diameter applies to the recommended operating pressure and is indicative only. The type of soiling is also decisive for the cleaning result.



Overview of maximum tank diameter depending on pressure

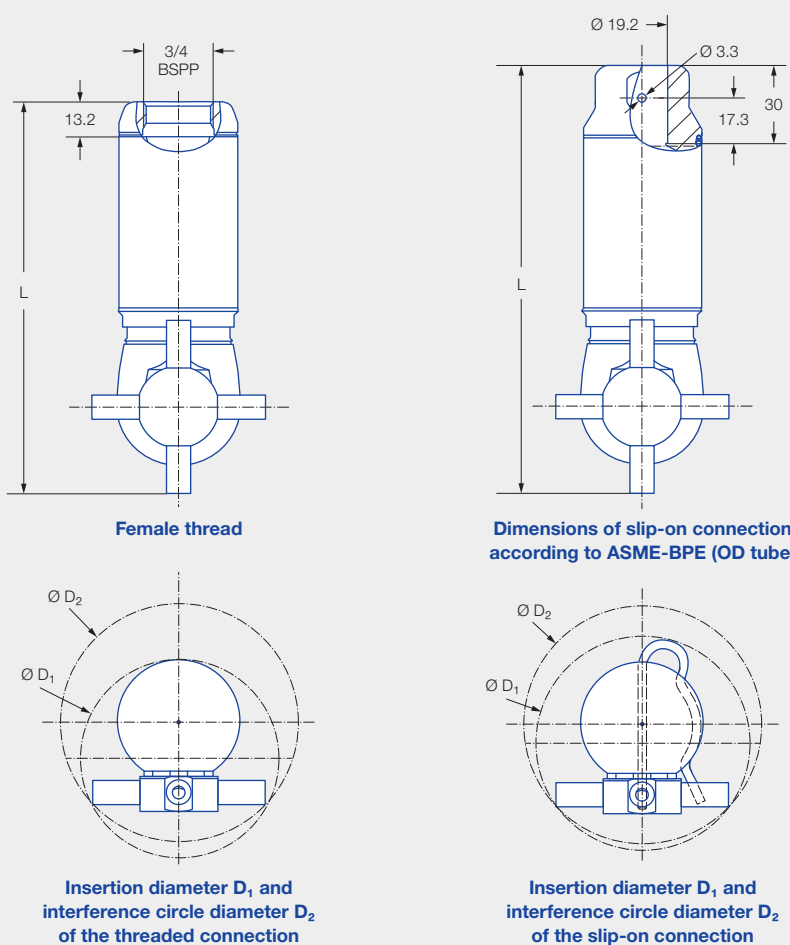


Duration of cleaning cycle



Duration of cleaning cycle depending on pressure

Dimensions in mm.



Spray angle	Ordering no.					Narrowest cross-section Ø [mm]	Quantity x Ø nozzle [mm]	V̇ water [l/min]				V̇ water	Dimensions [mm]						Max. tank diameter [m]
	Type	Connection						p [bar] (p _{max} = 15 bar)					Female thread			Slip-on connection			
		3/4 BSPP		3/4" slip-on connection															
		EPDM	FKM	EPDM	FKM								at 5 bar [m³/h]				L	Ø D ₁	
360° 	5T2.849.1Y	AL	22	TF07	31	1.75	4 × 1.75	13	15	20	28	1,2	142	68	82	157	77	82	11.5
	5T2.969.1Y	AL	22	TF07	31	2.70	4 × 2.70	25	31	40	57	2,4	142	68	82	157	77	82	12.0
	5T3.029.1Y	AL	22	TF07	31	3.20	4 × 3.20	35	43	55	78	3,3	142	68	82	157	77	82	12.5
	5T3.089.1Y	AL	22	TF07	31	4.00	4 × 4.00	50	61	79	112	4,7	148	74	91	163	82	91	13.0

Information on operation

Compressed air can be used only for a short time for blowing dry. Use above the recommended pressure will have a negative effect on the cleaning result and wear.

Ordering example with FDA and (EC) 1935/2004 conformity.

All materials are suitable for contact with food.



Type + Connection = Ordering no.
5T2.849.1Y + AL = 5T2.849.1Y.AL

Ordering example with ATEX approval. FDA and (EC) 1935/2004 conformity.

Unit group/Category/Zones:

Ex II 1G Ex h IIB T6...T3 Ga
Ex II 1D Ex h IIC T85 °C...T190 °C Da



Important

The code for the connection changes for the ATEX version with slip-on connection.

Ordering example for 3/4" slip-on connection: 5T2.849.1Y.T2.EX



Type + Connection + ATEX = Ordering no.
5T2.849.1Y + AL + EX = 5T2.849.1Y.AL.EX